Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for identifying user interface (UI) objects in a markup-language stream, the method ~~comprising the steps of:~~ comprising:

receiving, from a server and at a client computer system, a web-based application for display in a web browser, the web-based application comprising one or more web pages;

~~receiving a predefined grammar for the web-based application;~~

automatically generating a parser computer program at the client computer system, based on ~~the predefined grammar~~ a defined grammar, using an automated parser generator tool;

scanning document object model (DOM) of the web-based application with the parser computer program to generate tokens;

parsing the tokens with the parser computer program to identify at least one graphical element in the web-based application;

outputting, from the parser computer program at the client computer system to a context-based help utility at the client computer system, information about position and content of the at least one graphical element identified by parsing the tokens in the web-based application; and

providing context-based help based at least in part on the at least one graphical element in the web-based application.

2. (Original) The method of claim 1, wherein said markup-language stream drives a markup-language-based browser application, and wherein the scanning step includes scanning the DOM generated by a browser that displays that application.

3. (Original) The method of claim 1, wherein the scanning step includes identifying elements of the DOM by traversal thereof.

4. (Canceled)

5. (Previously Presented) The method of claim 3, wherein the scanning step includes generating one or more tokens for each scanned DOM element.

6.-7. (Canceled) .

8. (Previously Presented) The method of claim 1, wherein the at least one UI objects comprises one of a user input field, a text field, a metatag, unprintable markup-language, or an in-line image.

9. (Previously Presented) The method of claim 1, wherein the scanning and parsing steps are adapted to identify UI objects that correspond to elements displayed in the-web-based application.

10. (Previously Presented) The method of claim 1, further comprising grouping the tokens into syntactic structures that identify items displayed by the web-based application.

11. (Previously Presented) The method of claim 10, wherein said step of grouping comprises identifying similarly formatted markup-language elements based on their markup-language attributes such as classname, font size, style, tag color, and size.

12. (Previously Presented) The method of claim 1, wherein said at least one UI objects comprises a name, content, a shape, or a location.

13. (Previously Presented) The method of claim 1, wherein automatically generating said the parser computer program comprises executing YACC ("Yet Another Compiler-Compiler").

14.-15. (Canceled).

16. (Previously Presented) The method of claim 1, wherein the parser computer program is a LALR(1) parser.

17. (Previously Presented) The method of claim 1, wherein the parser computer program is a LR(1) parser.

18. (Previously Presented) The method of claims 1, wherein the markup language is any of HTML, XHTML and XUL.

19. (Currently Amended) A digital data processing system comprising:

a client digital data processor at a client computer system, the client digital data processor being configured to:

receive, from a server and at ~~a~~ the client computer system, a web-based application for display in a web browser, the web-based application comprising one or more web pages;

~~receive a predefined grammar for the web-based application;~~

automatically generate a parser computer program at the client computer system, based on ~~the predefined grammar~~ a defined grammar, using an automated parser generator tool;

scan document object model (DOM) of the web-based application with the parser computer program to generate tokens;

parse the tokens with the parser computer program to identify at least one graphical element in the web-based application;

output, from the parser computer program at the client computer system to a context-based help utility at the client computer system, information about position and content of the at least one graphical element identified by parsing the tokens in the web-based application; and

provide context-based help based at least in part on the at least one graphical element in the web-based application.

20. (Canceled)

21. (Previously Presented) The digital data processing system of claim 20, wherein said one or more UI objects each comprise name, content, shape, location, and properties.

22. (Canceled).

23. (Previously Presented) The digital data processing system of claim 19, wherein said tokens are interpreted according to the predefined grammar to identify and distinguish among UI objects of the web-based application's display.

24. (Previously Presented) The digital data processing system of claim 19, wherein the at least one UI object comprises a user input field, a text field, a metatag, unprintable markup-language, or an in-line image.

25. (Previously Presented) The digital data processing system of claim 19, wherein the markup language is any of HTML, XHTML and XUL.

26.-27. (Canceled)

28. (New) The method of claim 1, wherein the defined grammar is an application-specific grammar, the method further comprising:

analyzing the web-based application at the client computer system; and

defining the application-specific grammar at the client computer system, based on analysis of the web-based grammar.

29. (New) The digital data processing system of claim 19, wherein the defined grammar is an application-specific grammar, and wherein the digital data processor is further configured to:

analyze the web-based application at the client computer system; and

define the application-specific grammar at the client computer system, based on analysis of the web-based grammar.